K. Sorensen

1812

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 08/842,898

CRF Processing Date: 1/13/98
Edited by:
Verified by: AJ (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: #6
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☑ Changed the spelling of a ~~mandatory~~ field (the headings or subheadings), specifically: Seq 6a "ORGANISM"
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☑ Other: Seq 1 - added opening parenthesis; Seq 3-5 - replaced letter "l" w/ numeral 1 under amino acids

ENTERED

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

Applicati n No.: _____

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

☑ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.

☑ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of th "Sequence Listing" as required by 37 C.F.R. 1.821(e).

☐ 7. Other: _____

Applicant Must Provide:

☑ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

☑ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

☑ A statement that the content of the paper and computer readable copies are the same and, wh re applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
For CRF Submission Help, call (703) 308-4212
For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/842,898*

DATE: 01/14/98
TIME: 16:39:38

INPUT SET: S22556.raw

#6 AR
01/27/98

This Raw Listing contains the General Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: BROEKAERT, WILLEM F.
CAMMUE, BRUNO P.A.
OSBORN, RUPERT W.
REES, SARAH B.

(ii) TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

(iii) NUMBER OF SEQUENCES: 13

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
(B) STREET: 1100 New York Avenue, N.W.
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: U.S.A.
(F) ZIP: 20005-3918

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: Microsoft Word

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:US/08/842,898
(B) FILING DATE: 22-OCT-1996
(C) CLASSIFICATION:536

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/656,318
(B) FILING DATE: 12-JUN-1996

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT/GB94/02766
(B) FILING DATE: 19-DEC-1994

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: GB 9326424.0
(B) FILING DATE: 24-DEC-1993

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 54 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Hs-AFP1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

```
Asp Gly Val Lys Leu Cys Asp Val Pro Ser Gly Thr Trp Ser Gly His
1               5                   10                  15

Cys Gly Ser Ser Ser Lys Cys Ser Gln Gln Cys Lys Asp Arg Glu His
        20                  25                  30

Phe Ala Tyr Gly Gly Ala Cys His Tyr Gln Phe Pro Ser Val Lys Cys
        35                  40                  45

Phe Cys Lys Arg Gln Cys
    50
```

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 50 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Ah-AMP1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```
Leu Cys Asn Glu Arg Pro Ser Gln Thr Trp Ser Gly Asn Cys Gly Asn
1               5                   10                  15

Thr Ala His Cys Asp Lys Gln Cys Gln Asp Trp Glu Lys Ala Ser His
            20                  25                  30

Gly Ala Cys His Lys Arg Glu Asn His Trp Lys Cys Phe Cys Tyr Phe
        35                  40                  45

Asn Cys
    50
```

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 51 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Rs-AFP1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

```
Glx Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
1               5                  10                  15

Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Lys Ala Arg
            20                  25                  30

His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
        35                  40                  45

Phe Pro Cys
    50
```

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 51 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Rs-AFP2

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

```
Glx Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
1               5                  10                  15

Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Lys Ala Arg
            20                  25                  30

His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
        35                  40                  45
```

```
153  Phe Pro Cys
154      50
155
156
157  (2) INFORMATION FOR SEQ ID NO: 5:
158
159  (i) SEQUENCE CHARACTERISTICS:
160  (A) LENGTH: 50 amino acids
161   (B) TYPE: amino acid
162   (C) STRANDEDNESS: single
163  (D) TOPOLOGY: linear
164
165  (ii) MOLECULE TYPE: protein
166
167  (vi) ORIGINAL SOURCE:
168  (A) ORGANISM: Dm-AMP1
169
170  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
171
172  Glu Leu Cys Glu Lys Ala Ser Lys Thr Trp Ser Gly Asn Cys Gly Asn
173  1               5                   10                  15
174
175  Thr Gly His Cys Asp Asn Gln Cys Lys Ser Trp Glu Gly Ala Ala His
176              20                  25                  30
177
178  Gly Ala Cys His Val Arg Asn Gly Lys His Met Cys Phe Cys Tyr Phe
179          35                  40                  45
180
181  Asn Cys
182      50
183
184
185  (2) INFORMATION FOR SEQ ID NO: 6:
186
187  (i) SEQUENCE CHARACTERISTICS:
188   (A) LENGTH: 50 amino acids
189   (B) TYPE: amino acid
190   (C) STRANDEDNESS: single
191   (D) TOPOLOGY: linear
192
193  (ii) MOLECULE TYPE: protein
194
195  (vi) ORIGINAL SOURCE:
196  (A) ORGANISM: Cb-AMP1
197
198  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
199
200  Glu Leu Cys Glu Lys Ala Ser Lys Thr Trp Ser Gly Asn Cys Gly Asn
201  1               5                   10                  15
202
203  Thr Lys His Cys Asp Asp Gln Cys Lys Ser Trp Glu Gly Ala Ala His
204              20                  25                  30
205
```

```
206  Gly Ala Cys His Val Arg Asn Gly Lys His Met Cys Phe Cys Tyr Phe
207          35                  40                  45
208
209
210  Asn Cys
211      50
212
213
214  (2) INFORMATION FOR SEQ ID NO:7:
215
216   (i) SEQUENCE CHARACTERISTICS:
217  (A) LENGTH: 49 amino acids
218   (B) TYPE: amino acid
219   (C) STRANDEDNESS: single
220   (D) TOPOLOGY: linear
221
222   (ii) MOLECULE TYPE: protein
223
224  (vi) ORIGINAL SOURCE:
225   (A) ORGANISM: Cb-AMP1
226
227  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
228
229  Asn Leu Cys Glu Arg Ala Ser Leu Thr Trp Thr Gly Asn Cys Gly Asn
230  1               5                  10                  15
231
232  Thr Gly His Cys Asp Thr Gln Cys Arg Asn Trp Glu Ser Ala Lys His
233              20                  25                  30
234
235  Gly Ala Cys His Lys Arg Gly Asn Trp Lys Cys Phe Cys Tyr Phe Asp
236           35                  40                  45
237
238  Cys
239
240
241  (2) INFORMATION FOR SEQ ID NO: 8:
242
243  (i) SEQUENCE CHARACTERISTICS:
244  (A) LENGTH: 47 amino acids
245  (B) TYPE: amino acid
246  (C) STRANDEDNESS: single
247  (D) TOPOLOGY: llnear
248
249  (ii) MOLECULE TYPE: protein
250
251  (vi) ORIGINAL SOURCE:
252  (A) ORGANISM: Lc-AFP
253
254  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
255
256  Lys Thr Cys Glu Asn Leu Ser Gly Thr Phe Lys Gly Pro Cys Ile Pro
257  1               5                  10                  15
258
```

******** PREVIOUSLY ERRORED SEQUENCES - EDITED *******

```
102    (2) INFORMATION FOR SEQ ID NO: 3:
103   (i) SEQUENCE CHARACTERISTICS:
104    (A) LENGTH: 51 amino acids
105    (B) TYPE: amino acid
106    (C) STRANDEDNESS: single
107    (D) TOPOLOGY: linear
108
109   (ii) MOLECULE TYPE: protein
110
111   (vi) ORIGINAL SOURCE:
112    (A) ORGANISM: Rs-AFP1
113
114   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
115
116   Glx Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
117   1               5                   10                  15
118
119   Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Lys Ala Arg
120               20                  25                  30
121
122   His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
123           35                  40                  45
124
125   Phe Pro Cys
126       50
127
128
```

```
129   (2) INFORMATION FOR SEQ ID NO: 4:
130
131   (i) SEQUENCE CHARACTERISTICS:
132   (A) LENGTH: 51 amino acids
133   (B) TYPE: amino acid
134   (C) STRANDEDNESS: single
135   (D) TOPOLOGY: linear
136
137   (ii) MOLECULE TYPE: protein
138
139   (vi) ORIGINAL SOURCE:
140   (A) ORGANISM: Rs-AFP2
141
142           (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
143
144   Glx Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
145   1               5                   10                  15
146
147   Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Lys Ala Arg
```

```
148                 20                  25                  30
149
150   His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
151           35                  40                  45
152
153   Phe Pro Cys
154       50
155
156
```

```
157   (2) INFORMATION FOR SEQ ID NO: 5:
158
159   (i) SEQUENCE CHARACTERISTICS:
160   (A) LENGTH: 50 amino acids
161    (B) TYPE: amino acid
162    (C) STRANDEDNESS: single
163   (D) TOPOLOGY: linear
164
165   (ii) MOLECULE TYPE: protein
166
167   (vi) ORIGINAL SOURCE:
168   (A) ORGANISM: Dm-AMP1
169
170   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
171
172   Glu Leu Cys Glu Lys Ala Ser Lys Thr Trp Ser Gly Asn Cys Gly Asn
173   1               5                   10                  15
174
175   Thr Gly His Cys Asp Asn Gln Cys Lys Ser Trp Glu Gly Ala Ala His
176                 20                  25                  30
177
178   Gly Ala Cys His Val Arg Asn Gly Lys His Met Cys Phe Cys Tyr Phe
179           35                  40                  45
180
181   Asn Cys
182       50
183
184
```

```
185   (2) INFORMATION FOR SEQ ID NO: 6:
186
187   (i) SEQUENCE CHARACTERISTICS:
188    (A) LENGTH: 50 amino acids
189    (B) TYPE: amino acid
190    (C) STRANDEDNESS: single
191    (D) TOPOLOGY: linear
192
193   (ii) MOLECULE TYPE: protein
194
195   (vi) ORIGINAL SOURCE:
196   (A) ORGANISM: Cb-AMP1
197
198   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
```

```
199
200   Glu Leu Cys Glu Lys Ala Ser Lys Thr Trp Ser Gly Asn Cys Gly Asn
201   1               5                   10                  15
202
203   Thr Lys His Cys Asp Asp Gln Cys Lys Ser Trp Glu Gly Ala Ala His
204               20                  25                  30
205
206   Gly Ala Cys His Val Arg Asn Gly Lys His Met Cys Phe Cys Tyr Phe
207           35                  40                  45
208
209
210   Asn Cys
211       50
212
213
```

```
366   (2) INFORMATION FOR SEQ ID NO: 13:
367   (i) SEQUENCE CHARACTERISTICS:
368   (A) LENGTH: 47 amino acids
369   (B) TYPE: amino acid
370   (C) STRANDEDNESS: single
371    (D) TOPOLOGY: linear
372
373   (ii) MOLECULE TYPE: protein
374
375   (vi) ORIGINAL SOURCE:
376    (A) ORGANISM: p322
377
378   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
379
380   Arg His Cys Glu Ser Leu Ser His Arg Phe Lys Gly Pro Cys Thr Arg
381   1               5                   10                  15
382
383   Asp Ser Asn Cys Ala Ser Val Cys Glu Thr Glu Arg Phe Ser Gly Gly
384               20                  25                  30
385
386   Asn Cys His Gly Phe Arg Arg Arg Cys Phe Cys Thr Lys Pro Cys
387           35                  40                  45
388
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/842,898*

DATE: 01/14/98
TIME: 16:40:04

INPUT SET: S22556.raw

Line	Error	Original Text

K. Sorensen

1812

RAW SEQUENCE LISTING
PATENT APPLICATION *US/08/842,898*

DATE: 01/13/98
TIME: 15:14:28

INPUT SET: S22556.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: BROEKAERT, WILLEM F.
CAMMUE, BRUNO P.A.
OSBORN, RUPERT W.
REES, SARAH B.

(ii) TITLE OF INVENTION: ANTIMICROBIAL PROTEINS

--> (iii) **NUMBER OF SEQUENCES: 13**

(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: PILLSBURY MADISON & SUTRO LLP
(B) STREET: 1100 New York Avenue, N.W.
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: U.S.A.
(F) ZIP: 20005-3918

(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: Microsoft Word

(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE: 22-OCT-1996
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: US 08/656,318
(B) FILING DATE: 12-JUN-1996

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT/GB94/02766
(B) FILING DATE: 19-DEC-1994

(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: GB 9326424.0
(B) FILING DATE: 24-DEC-1993

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 54 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Hs-AFP1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

```
Asp Gly Val Lys Leu Cys Asp Val Pro Ser Gly Thr Trp Ser Gly His
1               5                  10                  15

Cys Gly Ser Ser Ser Lys Cys Ser Gln Gln Cys Lys Asp Arg Glu His
        20                  25                  30

Phe Ala Tyr Gly Gly Ala Cys His Tyr Gln Phe Pro Ser Val Lys Cys
        35                  40                  45

Phe Cys Lys Arg Gln Cys
    50
```

ERRORED SEQUENCES FOLLOW:

(2) INFORMATION FOR SEQ ID NO: 3:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 51 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vi) ORIGINAL SOURCE:
(A) ORGANISM: Rs-AFP1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

```
Glx Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
1               5                  10                  15

Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Lys Ala Arg
            20                  25                  30
```

```
121
122  His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
123          35                  40                  45
124
125  Phe Pro Cys
126      50
127
128
```

```
129  (2) INFORMATION FOR SEQ ID NO: 4:
130
131  (i) SEQUENCE CHARACTERISTICS:
132  (A) LENGTH: 51 amino acids
133  (B) TYPE: amino acid
134  (C) STRANDEDNESS: single
135  (D) TOPOLOGY: linear
136
137  (ii) MOLECULE TYPE: protein
138
139  (vi) ORIGINAL SOURCE:
140  (A) ORGANISM: Rs-AFP2
141
142          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
143
144  Glx Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
145  1               5                  10                  15
146
147  Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Lys Ala Arg
148              20                  25                  30
149
150  His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
151          35                  40                  45
152
153  Phe Pro Cys
154      50
155
156
```

```
157  (2) INFORMATION FOR SEQ ID NO: 5:
158
159  (i) SEQUENCE CHARACTERISTICS:
160  (A) LENGTH: 50 amino acids
161   (B) TYPE: amino acid
162   (C) STRANDEDNESS: single
163  (D) TOPOLOGY: linear
164
165  (ii) MOLECULE TYPE: protein
166
167  (vi) ORIGINAL SOURCE:
168  (A) ORGANISM: Dm-AMP1
169
170  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
171
```

```
     172  Glu Leu Cys Glu Lys Ala Ser Lys Thr Trp Ser Gly Asn Cys Gly Asn
-->  173  1               5                   10                  15
     174
     175  Thr Gly His Cys Asp Asn Gln Cys Lys Ser Trp Glu Gly Ala Ala His
     176              20                  25                  30
     177
     178  Gly Ala Cys His Val Arg Asn Gly Lys His Met Cys Phe Cys Tyr Phe
     179          35                  40                  45
     180
     181  Asn Cys
     182      50
     183
     184
```

```
     185  (2) INFORMATION FOR SEQ ID NO: 6:
     186
     187  (i) SEQUENCE CHARACTERISTICS:
     188   (A) LENGTH: 50 amino acids
     189   (B) TYPE: amino acid
     190   (C) STRANDEDNESS: single
     191   (D) TOPOLOGY: linear
     192
     193  (ii) MOLECULE TYPE: protein
     194
     195  (vi) ORIGINAL SOURCE:
-->  196  (A) ORGANISM: Cb-AMP1
     197      ORGANISM
     198  (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
     199
     200  Glu Leu Cys Glu Lys Ala Ser Lys Thr Trp Ser Gly Asn Cys Gly Asn
     201  1               5                   10                  15
     202
     203  Thr Lys His Cys Asp Asp Gln Cys Lys Ser Trp Glu Gly Ala Ala His
     204              20                  25                  30
     205
     206  Gly Ala Cys His Val Arg Asn Gly Lys His Met Cys Phe Cys Tyr Phe
     207          35                  40                  45
     208
     209
     210  Asn Cys
     211      50
     212
     213
```

```
     366  (2) INFORMATION FOR SEQ ID NO: 13:
     367  (i) SEQUENCE CHARACTERISTICS:
     368  (A) LENGTH: 47 amino acids
     369  (B) TYPE: amino acid
     370  (C) STRANDEDNESS: single
     371   (D) TOPOLOGY: linear
     372
     373  (ii) MOLECULE TYPE: protein
     374
```

```
375   (vi) ORIGINAL SOURCE:
376    (A) ORGANISM: p322
377
378   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
379
380   Arg His Cys Glu Ser Leu Ser His Arg Phe Lys Gly Pro Cys Thr Arg
381   1               5                   10                  15
382
383   Asp Ser Asn Cys Ala Ser Val Cys Glu Thr Glu Arg Phe Ser Gly Gly
384               20                  25                  30
385
386   Asn Cys His Gly Phe Arg Arg Arg Cys Phe Cys Thr Lys Pro Cys
387           35                  40                  45
388
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/842,898*

INPUT SET: S22556.raw

Line	Error	Original Text
12	Number of Sequences (13) Doesn't Equal Actual Count (12)	(iii) NUMBER OF SEQUENCES: 13
48	Unknown or Misplaced Identifier	(i) SEQUENCE CHARACTERISTICS:
49	Unknown or Misplaced Identifier	(A) LENGTH: 54 amino acids
50	Unknown or Misplaced Identifier	(B) TYPE: amino acid
51	Unknown or Misplaced Identifier	(C) STRANDEDNESS: single
52	Unknown or Misplaced Identifier	(D) TOPOLOGY: linear
54	Unknown or Misplaced Identifier	(ii) MOLECULE TYPE: protein
56	Unknown or Misplaced Identifier	(vi) ORIGINAL SOURCE:
57	Unknown or Misplaced Identifier	(A) ORGANISM: Hs-AFPl
59	Unknown or Misplaced Identifier	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
117	Wrong Amino Acid Designator	1 5 10 15
145	Wrong Amino Acid Designator	1 5 10 15
173	Wrong Amino Acid Designator	1 5 10 15
196	Unknown or Misplaced Identifier	(A) ORGAh-ISM: Cb-AMP1